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(54) Title: **MULTIPLE ANTIGENIC PEPTIDE ASSAY FOR DETECTION OF HIV OR SIV TYPE RETROVIRUSES**

(57) Abstract: A method for detecting at least one antibody directed against at least one primate immunodeficiency virus in a biological sample that includes contacting a biological sample with (i) at least one detection multiple antigenic peptide comprising a portion of an immunodominant region of a transmembrane protein of a primate immunodeficiency virus and (ii) at least one differentiation multiple antigenic peptide comprising a portion of a V3-loop of an envelope protein of a primate immunodeficiency virus. Also disclosed is an enzyme immunoassay that includes a first substrate to which are bound at least one of the detection multiple antigenic peptides and a second substrate to which are bound at least one of the differentiation multiple antigenic peptides.

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